Assignment:4

by
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Guidelines (Deadline: 2021-06-11)

1. Complete the assignment an upload to black board within the deadline.
2. Clearly mention your name and student ID.
3. **Do not copy from other friends**. If found 0marks will be given.
4. **Do not submit the blank file**. If found will get the demerit point.
5. Submit all the problems in single file (.docx).
6. The file should contain the **source code along with the output screen.**
7. Use the comment option to explain your code.
8. The solution should be exactly match to the question.
9. If you have any question do not hesitate to inbox me.
10. Note: Evaluation of all the assignments will be done at the end of semester at once.

Question:1

Use Dynamic memory Allocation concept. Assume any condition if needed by yourself.

- To allocate the memory by using new operator
- Input the size of array at run time and allocate the memory
- Also, check whether the memory has been created or not using exceptional handling concept
- Display the input data
- Ultimately, deallocated the memory using delete operator

Question: 2

o Use `std::array` concept to solve the following problem.
  Assume any condition if needed by yourself.

	C++	Physics
Student A	20	100
Student B	70	36
Student C	30	50

- 3 students' C++ and Physics scores
- Declare a 2 dimensional array and initialize it
- Compute the average of C++ and Physics scores

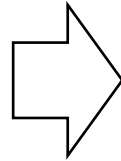# Questions: 3

This program demonstrates reading from one file and writing to a second file. **Assume any condition if needed by yourself.**

orginal.txt

```
I am very happy
How are u?
Have a nice time.
```

record.txt

```
I am very happy
How are u?
Have a nice time.
```

| Open the file | Write to the file | Read the same file | Write to the other file |